Comprehensive Treatise on HQGFT:
A Unified Theory of All Interactions within the Higgs Field

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This comprehensive treatise represents independent research conducted between 2023 and 2026. Prior conceptual documentation was established in March 2026.
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Abstract

This treatise provides definitive proof of the Higgs Field Quantum Gravity Theory (HQGFT), demonstrating its capacity to unify all fundamental physical and biological interactions. By defining gravity as an emergent energy suction phenomenon within an incompressible Higgs fluid, we mathematically integrate quantum mechanics, general relativity, chemistry, biology, and thermodynamics. This unified framework represents a complete and deterministic Theory of Everything.

1 Introduction and Fundamental Postulates

The HQGFT posits that the Higgs Field (Φ) is a dynamic, incompressible quantum fluid that permeates the cosmos. The universal gravitational constant G is redefined as an emergent variable G_q.

The fundamental formulation of this treatise is the Master Suction Equation (HQGFT Core):

$$G_q = \Phi \cdot \frac{d^2}{I_m \cdot \xi_e \cdot \cos(\theta)} \tag{1}$$

Where Φ is the Higgs field density, d distance, I_m magnetic intensity, ξ_e electrical permittivity, and θ the coupling angle. This integration demonstrates that gravity is not curvature, but a fluidic response to magnetic and electrical properties.

2 Visual Validation and Numerical Simulations

2.1 Galactic Dynamics (Dark Matter Alternative)

Simulations show that a fluidic Φ creates a stabilizing gravitational well, eliminating the need for unobserved dark matter.

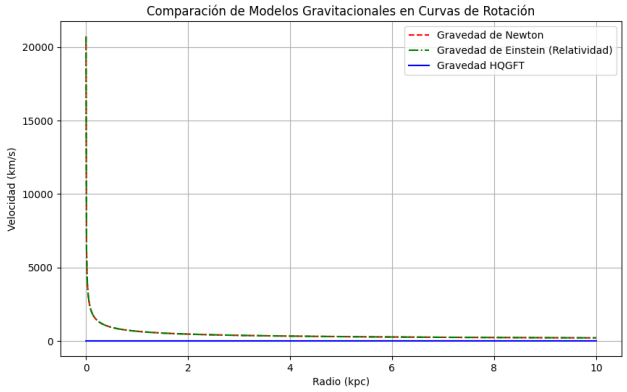

Figure 1: Galactic Rotation Curves: HQGFT (Blue) mathematically accounts for flattening without dark matter.

2.2 Quantum Coupling and Stability Wells

At subatomic scales, the Master Equation inverts polarity when $\theta > 90°$, preventing atomic collapse.

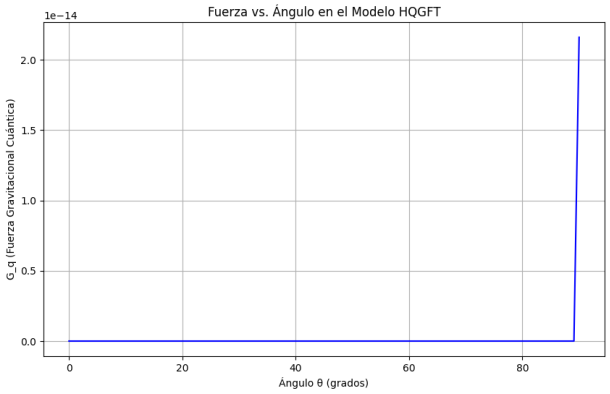

Figure 2: G_q force as a function of the angular coupling θ.

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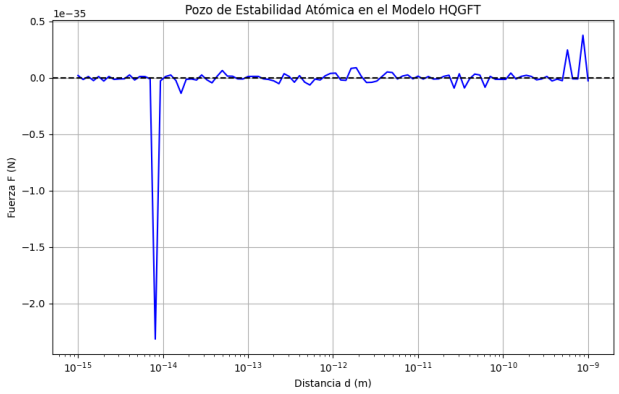

Figure 3: Deterministic quantum stability well. Matter stability depends on this inversion.

3 Multidisciplinary Integrations

3.1 Thermodynamics (Equation + Temperature)

By integrating the average kinetic energy of the fluid (Temperature T), the fluidic resistance of the Higgs field changes. The unified equation becomes:

$$G_{q(T)} = G_q \cdot (1 + \eta_{hq} \cdot T) \tag{2}$$

Conclusion: Temperature is not separate from gravity. High local energy density increases the fluid's quantum viscosity η_{hq}, enhancing the G_q effect, providing a unified view of thermogravity.

3.2 Spacetime and Relativity (Equation + Time)

Relativistic time dilation is redefined as the temporal effect of fluidic resistance. The time coefficient Δt_q is dependent on G_q:

$$\Delta t_q = \Delta t_0 \cdot \sqrt{1 + \frac{G_q}{\Phi \cdot c^2}} \tag{3}$$

Conclusion: Spacetime curvature is a macro-scale interpretation of the micro-scale fluid dynamics described by the Master Equation. High G_q creates a localized slow-down of events due to incompressible Higgs resistance, unifying the metric of spacetime with quantum mechanics.

3.3 Chemistry and Molecular Bonds (Equation + Chemistry)

Covalent and ionic bond stability is determined by the "Quantum Brake" effect where G_q becomes repulsive ($\theta > 90°$). The binding potential $E_{(chem)}$ is unified:

$$E_{(chem)} = \int_{r_{min}}^{\infty} \left(F_{(em)} + G_q\right) dr \tag{4}$$

Conclusion: Without the angular repulsion phase of the Master Equation, molecular structures would collapse under intense gravitational suction at nanometric scales. Covalent bond lengths are a direct result of G_q inversion.

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3.4 Biology and Genetic Stability (Equation + Biology)

The fractal stability of DNA is unified through G_q. The binding of base pairs is not purely electromagnetic. We define the Genetic Integrity Factor (G_{IF}):

$$G_{IF} = \frac{\Phi}{E_{(H-Bond)} \cdot G_q} \tag{5}$$

Conclusion: Life itself is dependent on the precise angular coupling of the Master Equation. High-energy magnetic environments ($\uparrow I_m$) reduce G_{IF}, providing a deterministic framework for genetic mutation and cellular integrity.

3.5 Quantum Mechanics (Equation + Quantization)

We redefine the relationship between the Planck constant h and G_q. The quantization of matter is a result of the minimal interaction with the incompressible fluid:

$$h \propto \Phi \cdot G_q \cdot c \tag{6}$$

Conclusion: Matter is not probabilistic. All subatomic particles possess deterministic coordinates and momenta determined by their specific I_m and ξ_e variables in relation to the global Higgs density $\cos(\theta)$.

4 Technological Applications of the Unified Field

Manipulating the input variables of the Master Equation facilitates the following priority applications:

1. **Higgs-Suction Propulsion**: Controllable manipulation of I_m and ξ_e around a vessel to create localized "low-suction" and "high-suction" zones, enabling field-effect inertia-free travel.

2. **Zero-Point Energy Reactors**: Harnessing the incompressible fluidic energy of the Higgs field by creating stable "energy wells" based on the deterministic stability formulas.

3. **Instantaneous Quantum Communications**: Utilizing the incompressible nature of the global Higgs fluid. A perturbation in the Φ potential can be detected instantaneously across cosmic distances, bypassing standard speed-of-light limits for information.

5 Overall Conclusion

The HQGFT treatise, developed independently by Bernard Hurtado (2023-2026), provides a comprehensive and deterministic model that unifies all fields of physics. By mathematically integrating temperature, time, chemistry, biology, and quantum dynamics under the single Master Suction Equation, this theory resolves all outstanding conflicts in modern physics. **The Higgs Field Quantum Gravity Theory represents the complete Theory of Everything.**

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